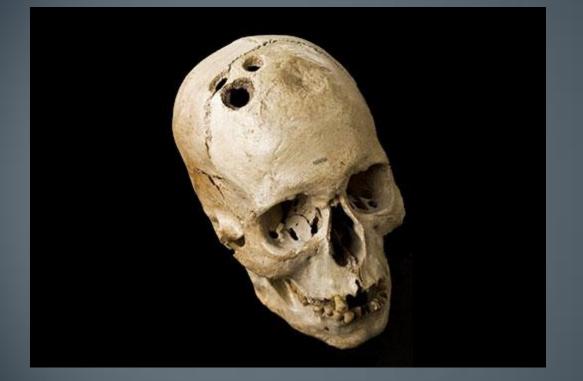
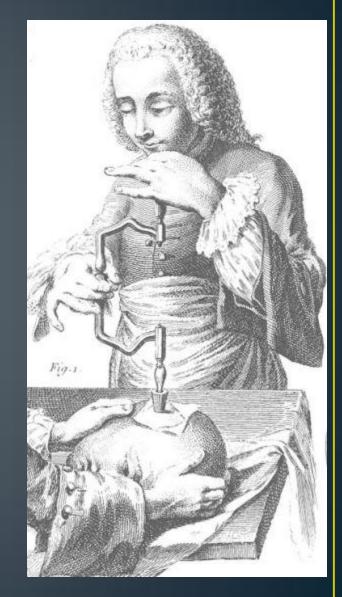


Headache Dr. Hemang Shah 6-12-15

Trepanation

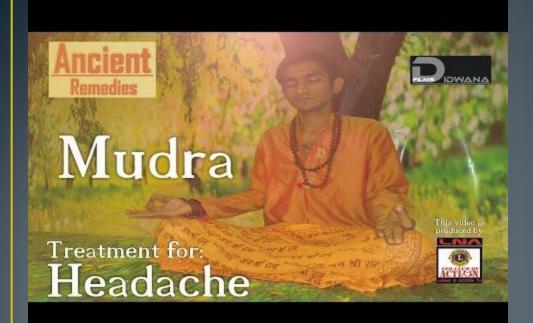


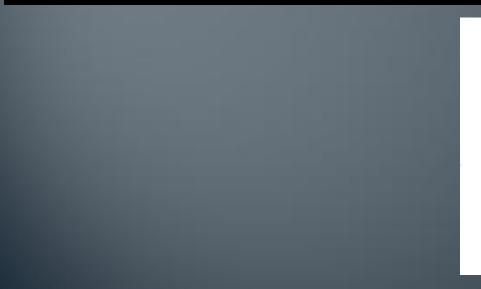
Science Museum, London, Wellcome Images.

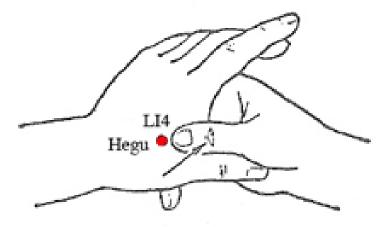












Part 1:
Primary headache disorders
Part 2:
Secondary headache disorders
Part 3:
Cranial neuralgias, central and primary facial pain and other headaches

Primary or secondary headache?

Primary:

• no other causative disorder

©International Headache Society 2003/5

Primary or secondary headache?

Secondary

(ie, caused by another disorder):

 new headache occurring in close temporal relation to another disorder that is a known cause of headache

 coded as attributed to that disorder (in place of previously used term associated with)

Part 1: The primary headaches

1. Migraine

2. Tension-type headache

3. Cluster headache and other trigeminal autonomic cephalalgias

4. Other primary headaches

Part 2: The secondary headaches

- 5. Headache attributed to head and/or neck trauma
- 6. Headache attributed to cranial or cervical vascular disorder
- 7. Headache attributed to non-vascular intracranial disorder
- 8. Headache attributed to a substance or its withdrawal
- 9. Headache attributed to infection

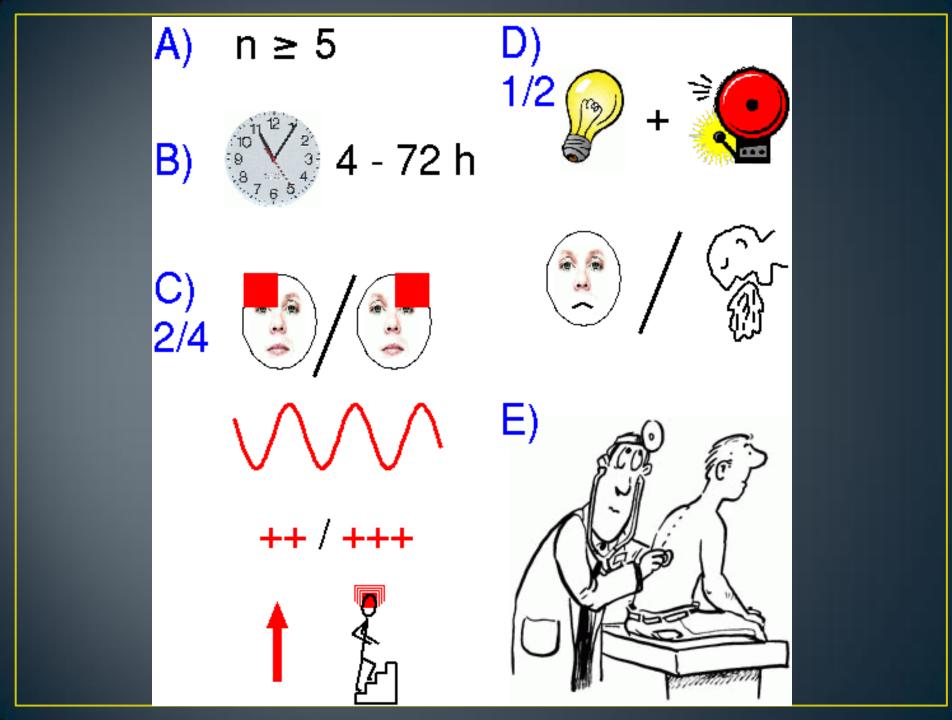
Part 2: The secondary headaches

- 10. Headache attributed to disorder of homoeostasis
- Headache or facial pain attributed to disorder of cranium, neck, eyes, ears, nose, sinuses, teeth, mouth or other facial or cranial structures
- 12. Headache attributed to psychiatric disorder

Part 3: Cranial neuralgias, central and primary facial pain and other headaches

13. Cranial neuralgias and central causes of facial pain

14. Other headache, cranial neuralgia, central or primary facial pain



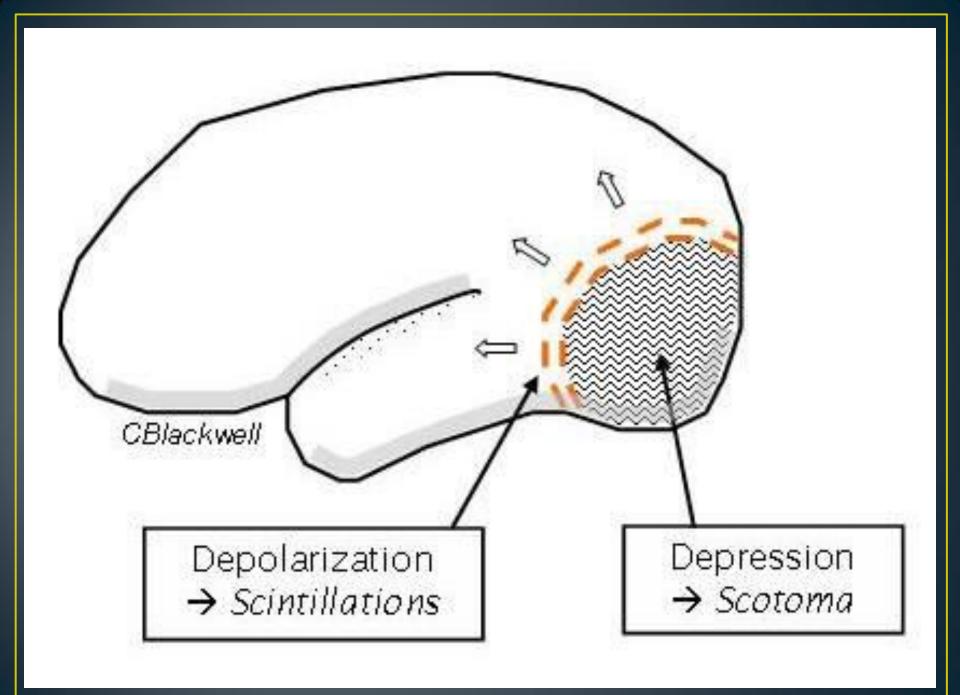
1.1 Migraine without aura

A.At least 5 attacks fulfilling criteria B-DB. Headache attacks lasting 4-72 h (untreated or unsuccessfully treated)

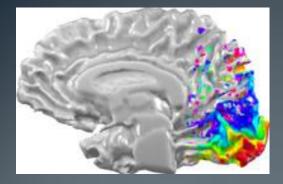
C. Headache has ≥ 2 of the following characteristics:

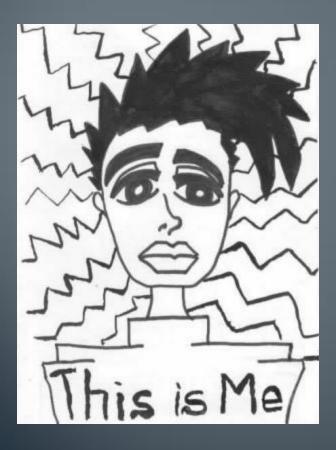
- 1. unilateral location
- 2. pulsating quality
- 3. moderate or severe pain intensity
- 4. aggravation by or causing avoidance of routine physical activity (eg, walking, climbing stairs)
 D. During headache ≥1 of the following:
 - 1. nausea and/or vomiting
 - 2. photophobia and phonophobia

E. Not attributed to another disorder



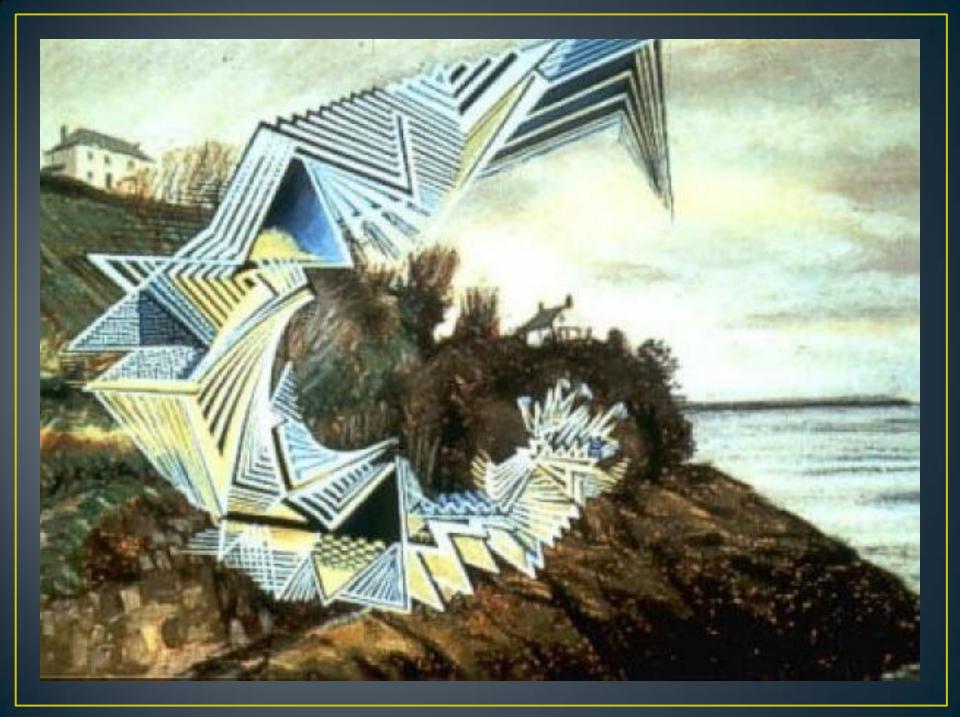


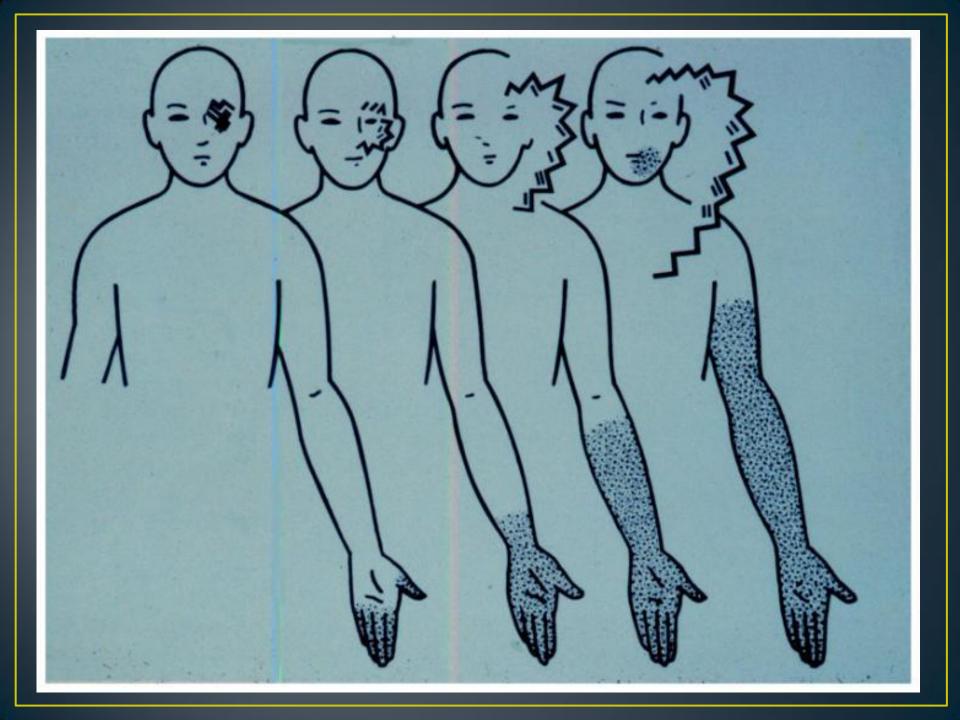


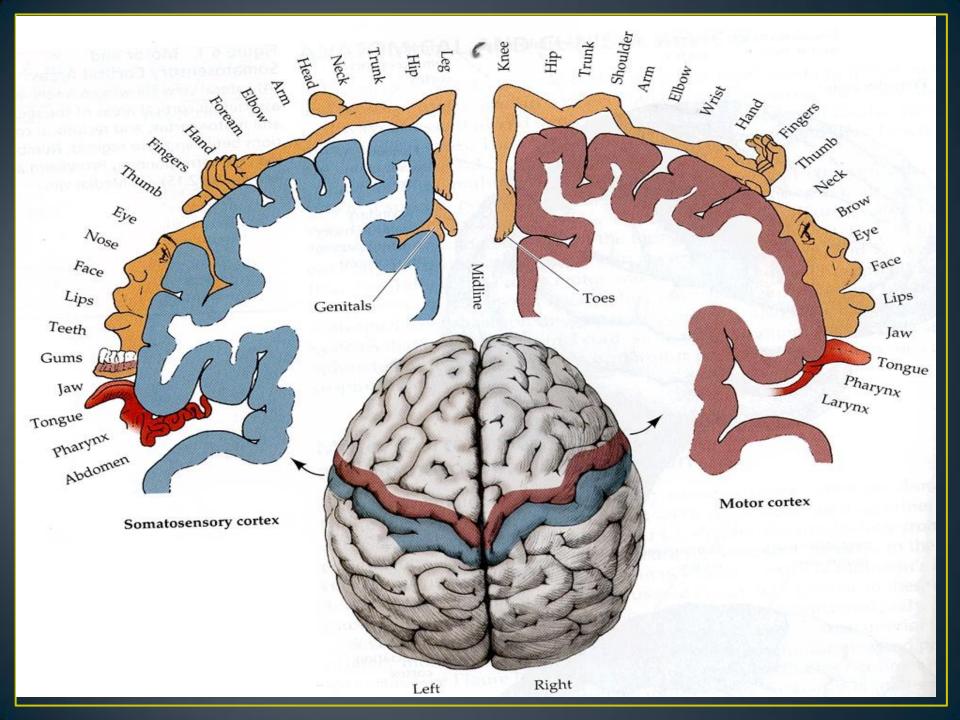






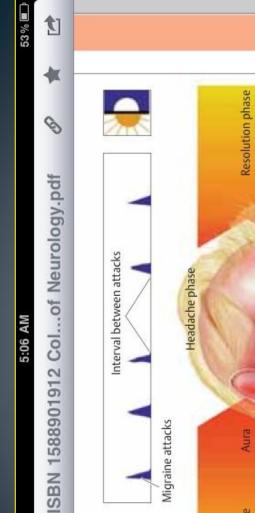




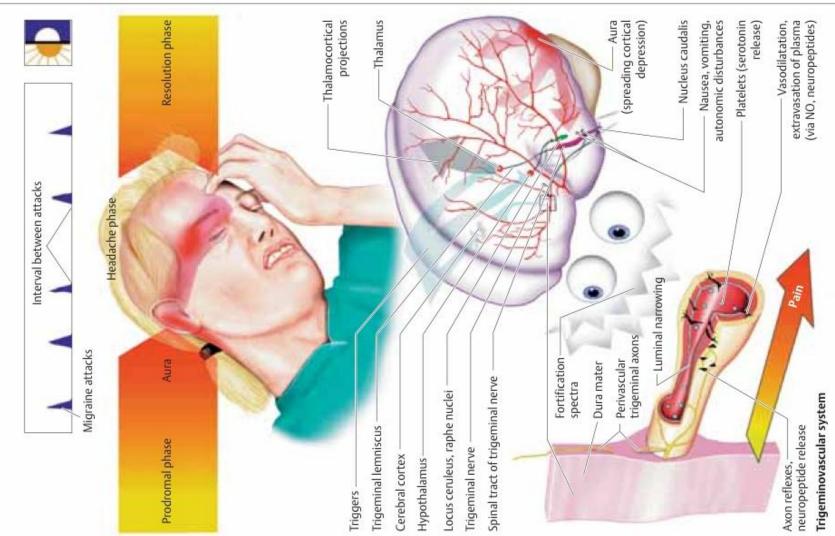




1



Central Nervous System



185



A headache diary consists of tracking the following information:

Date	Time (start/finish)	Intensity rate 1-10 (most severe being 10)	Preceding Symptoms	Triggers	Medication (and dosage)	Relief (complete/ moderate/ none)
				3		
		-				

MIGRAINE TRIGGERS

For more than 20 million Americans, painful migraines can be triggered by common food items, environmental factors, and aspects of behavior.

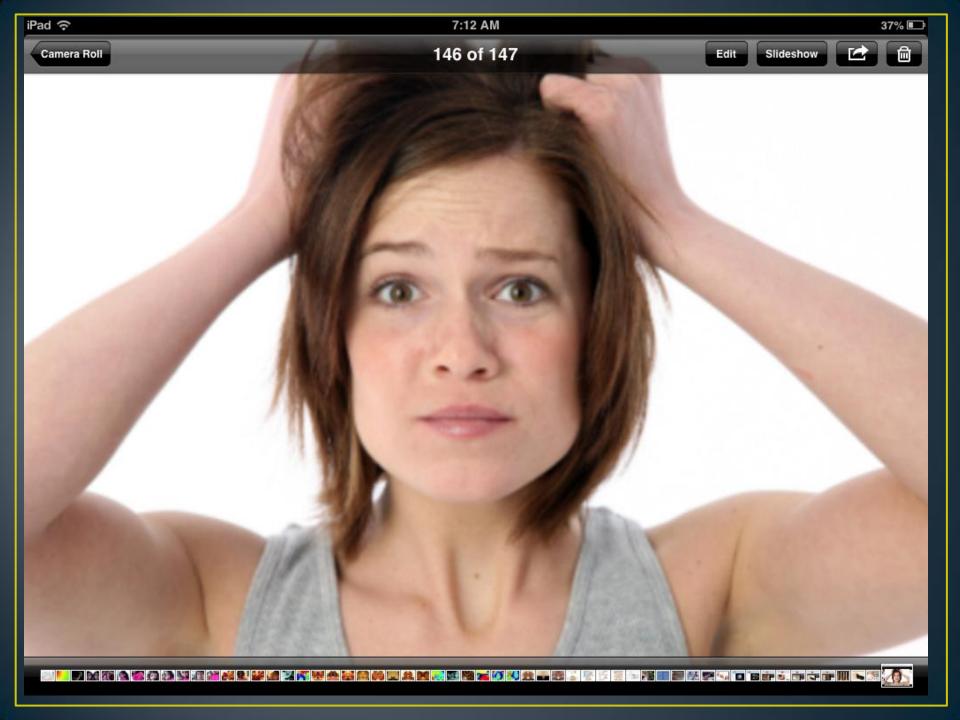
©2004 Alison Schroeer

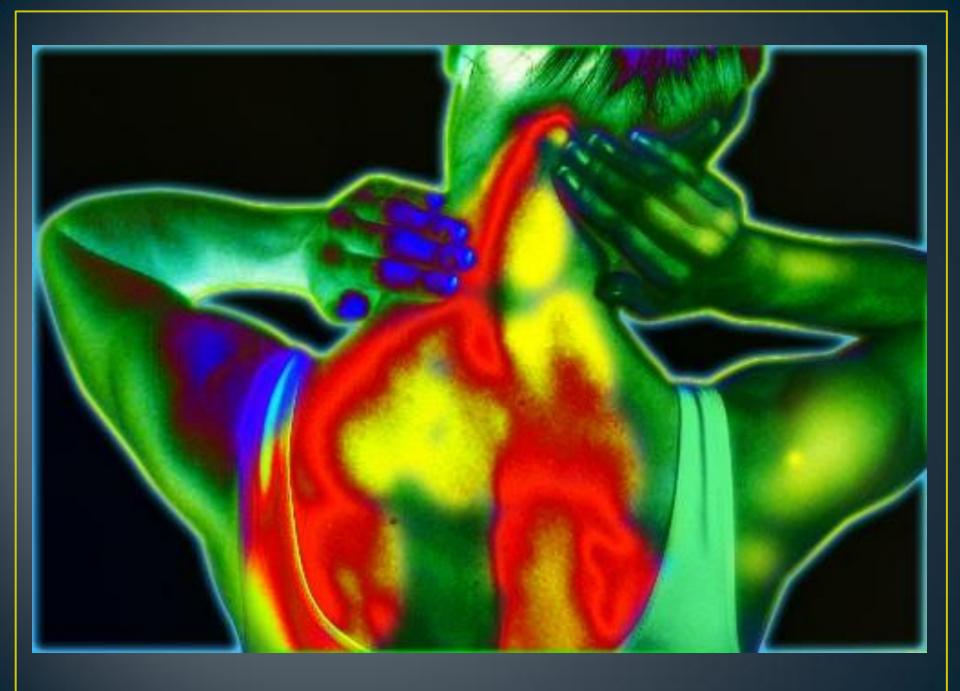
DURNOW

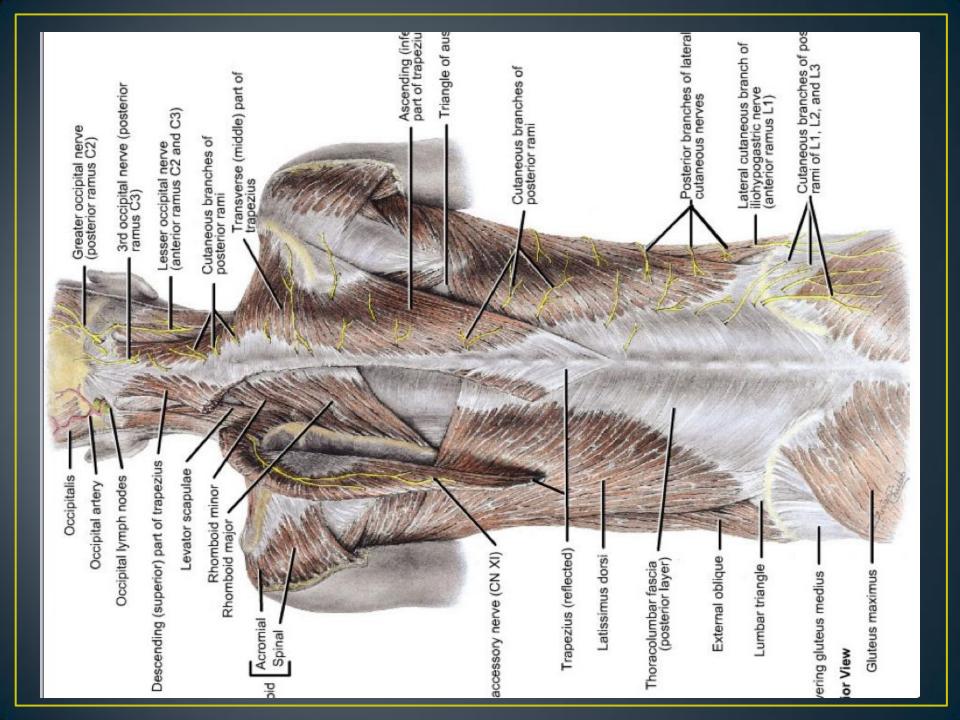
OVERDUE BALANCE





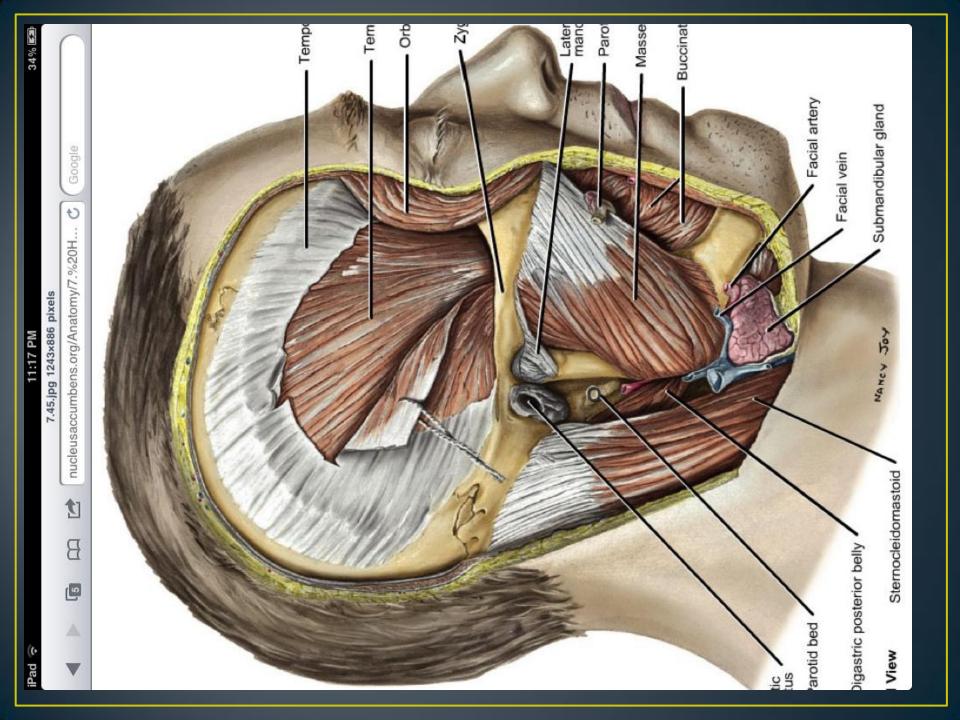




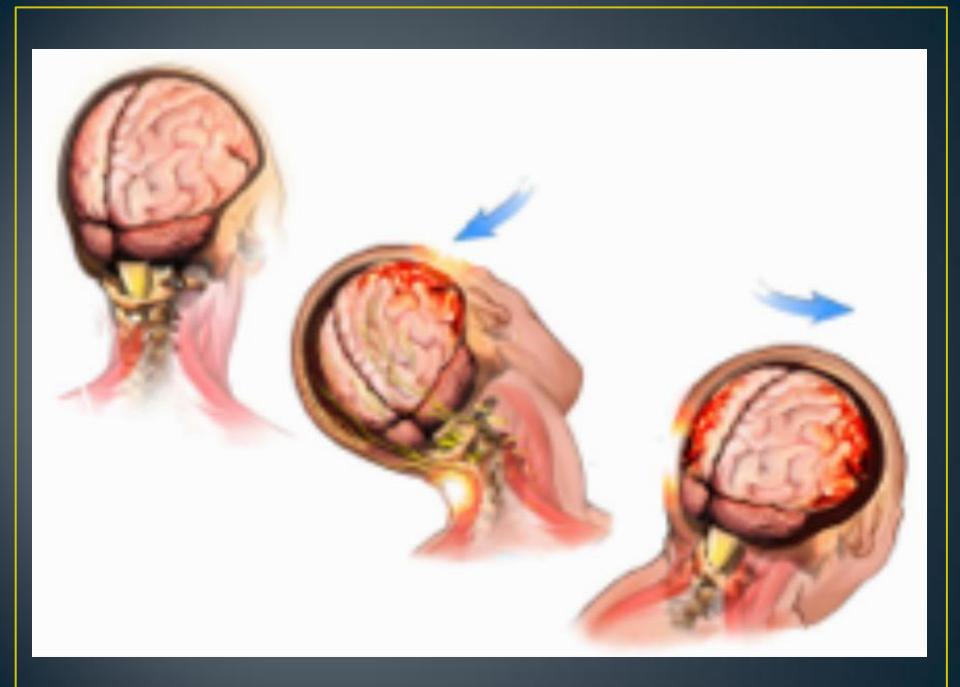








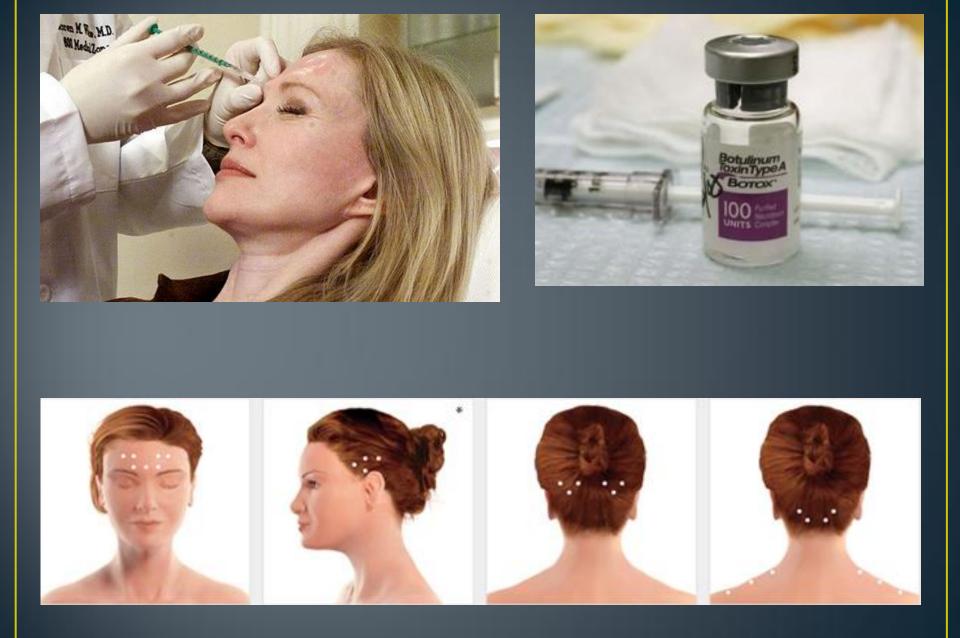


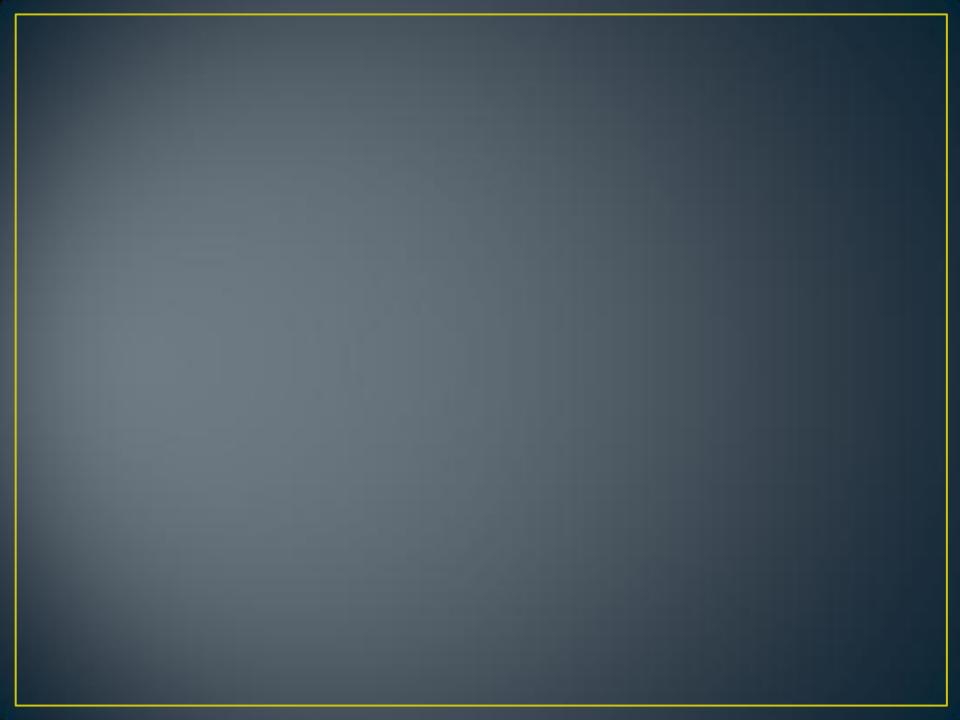














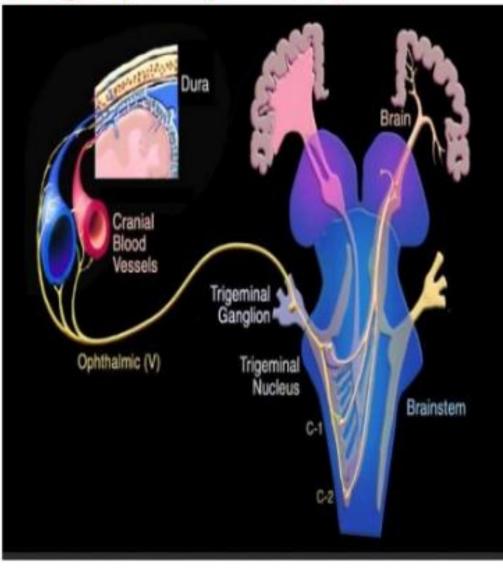


Trigeminal Nerve Branches of the trigeminal nerve Trigeminal nerve Copyright @ 2002 WebMD, Inc. All rights reserved.

Central projections of meningeal primary afferents

•Central processes of meningeal sensory afferents enter the brainstem via the trigeminal tract

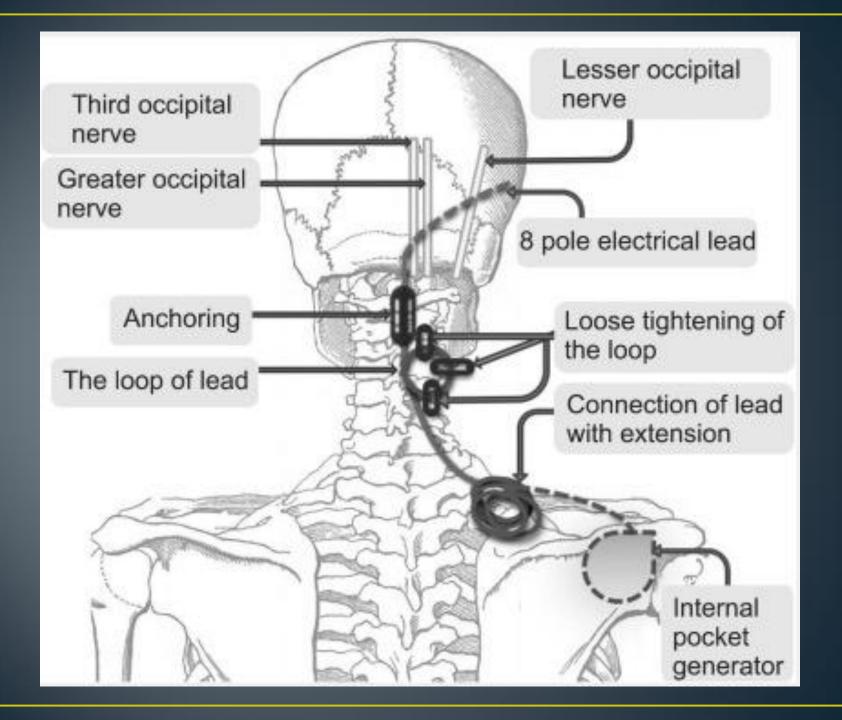
•They pass caudally giving off collaterals that terminate in the spinal trigeminal nucleus (SpVC) and upper cervical spinal cord (C1–C3).

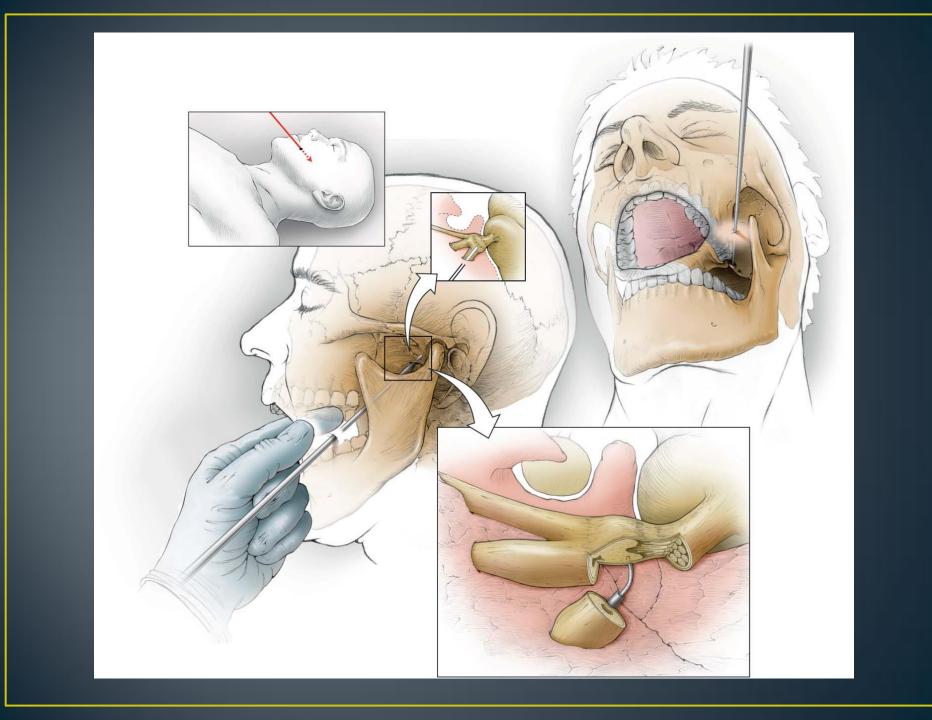




eNeura THERAPEUTICS®







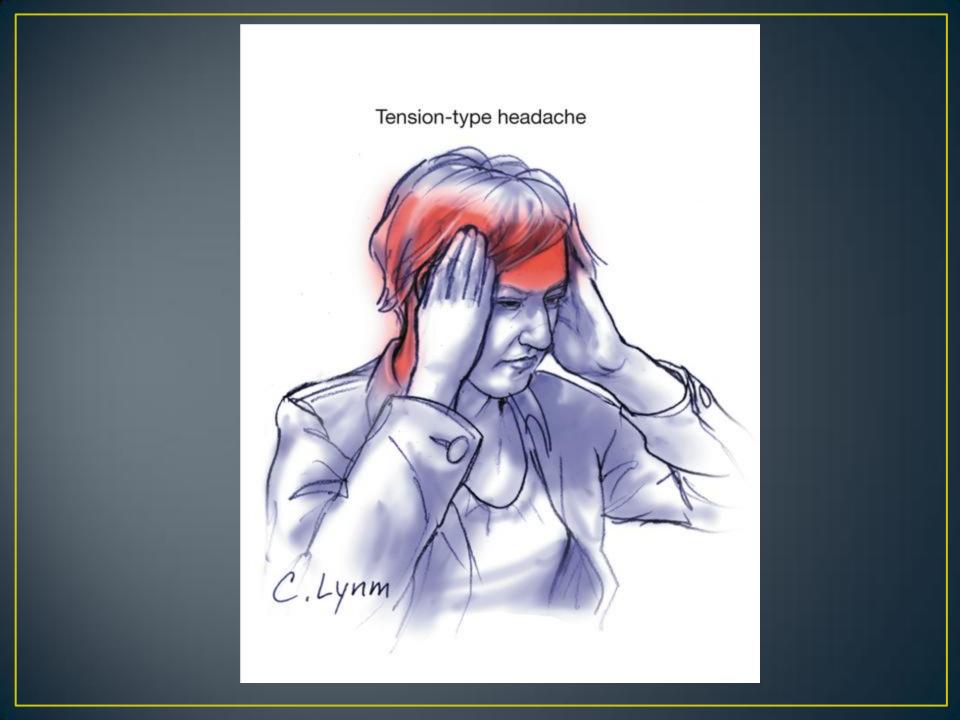
Good

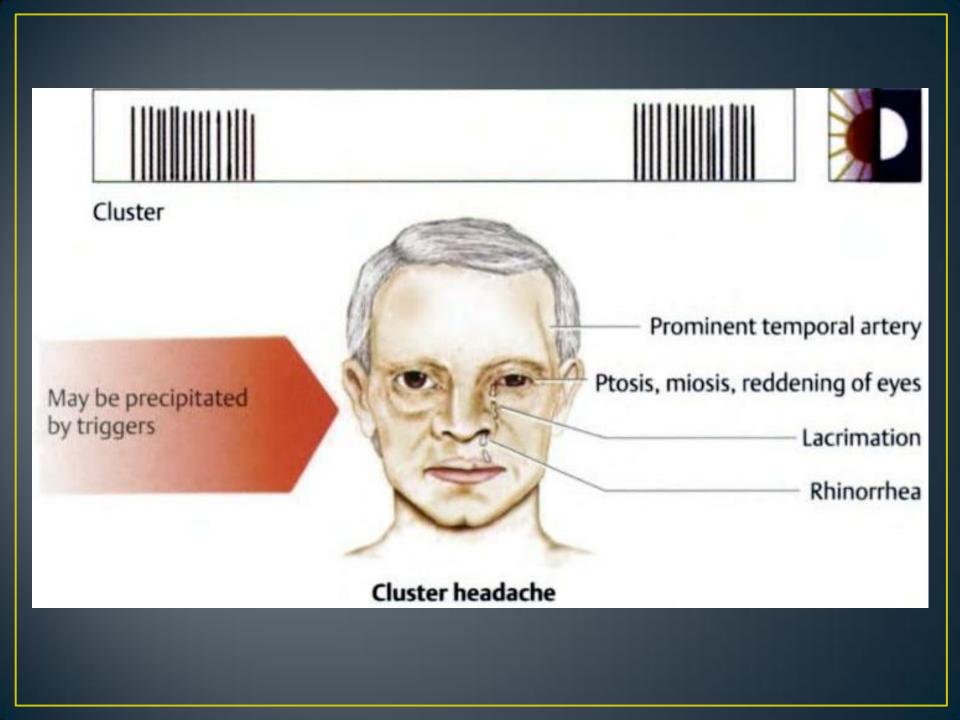


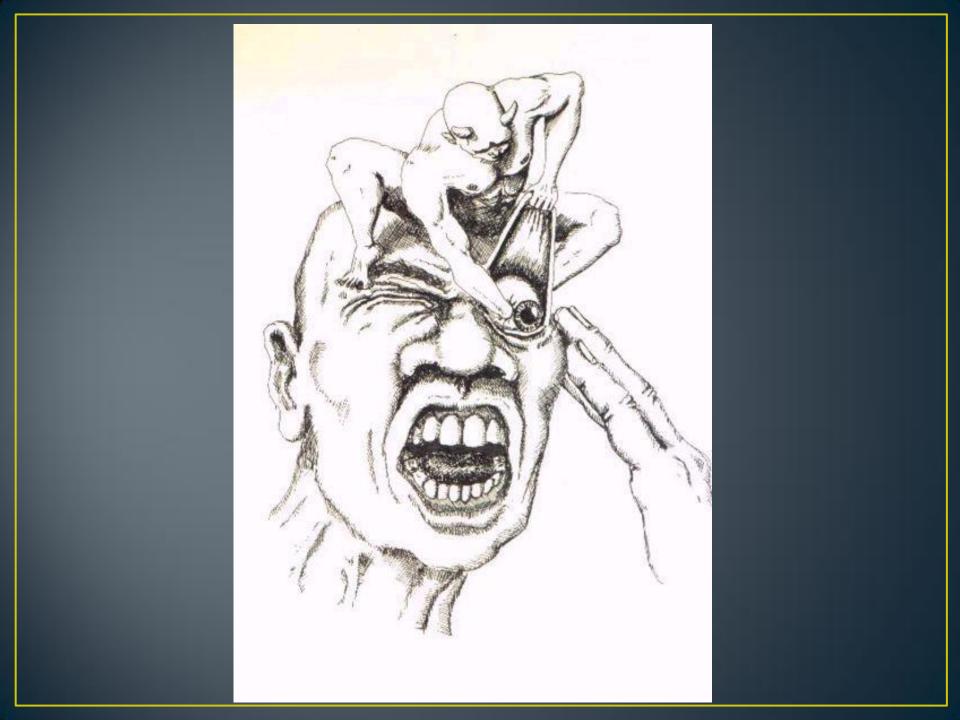
Old STRETCH

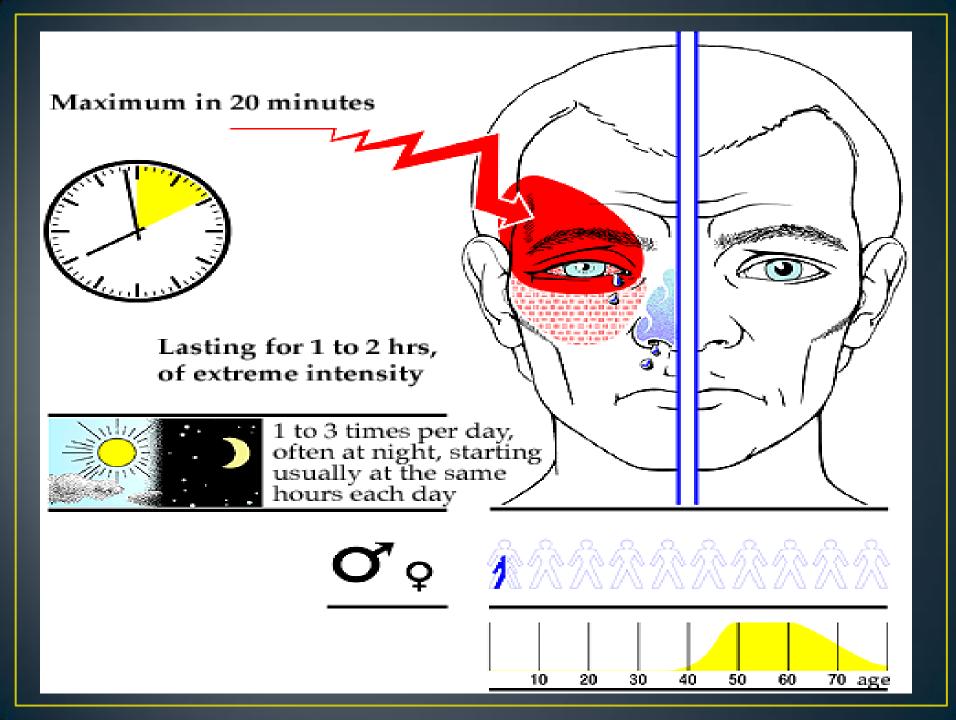














3. Cluster headache and other trigeminal autonomic cephalalgias

3.1 Cluster headache
3.2 Paroxysmal hemicrania
3.3 Short-lasting unilateral neuralgiform headache attacks with conjunctival injection and tearing (SUNCT)

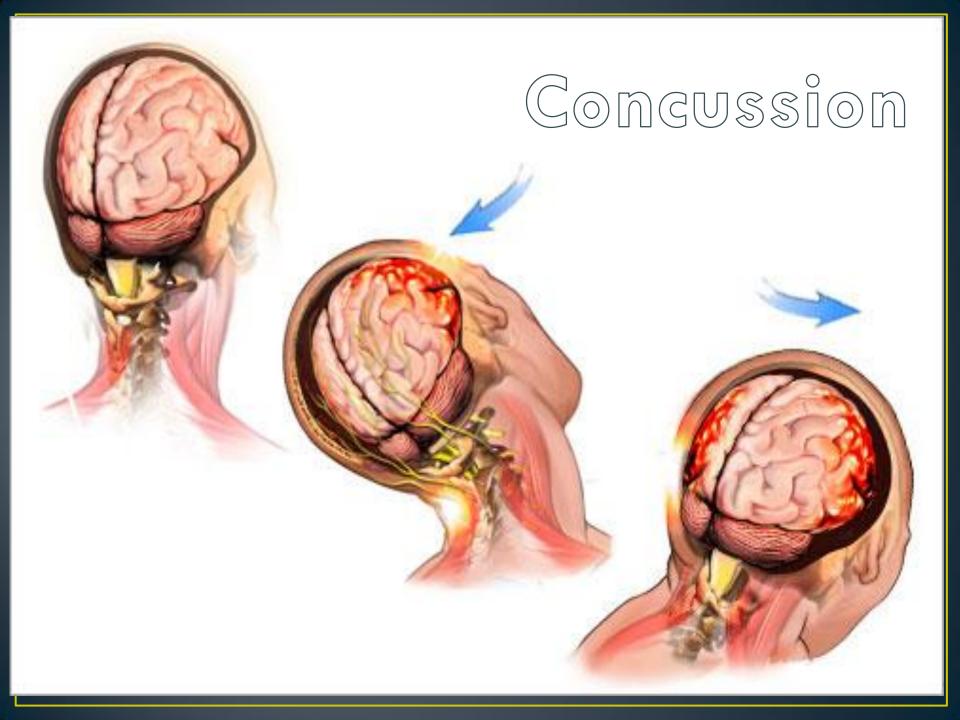
3.4 Probable trigeminal autonomic cephalalgia

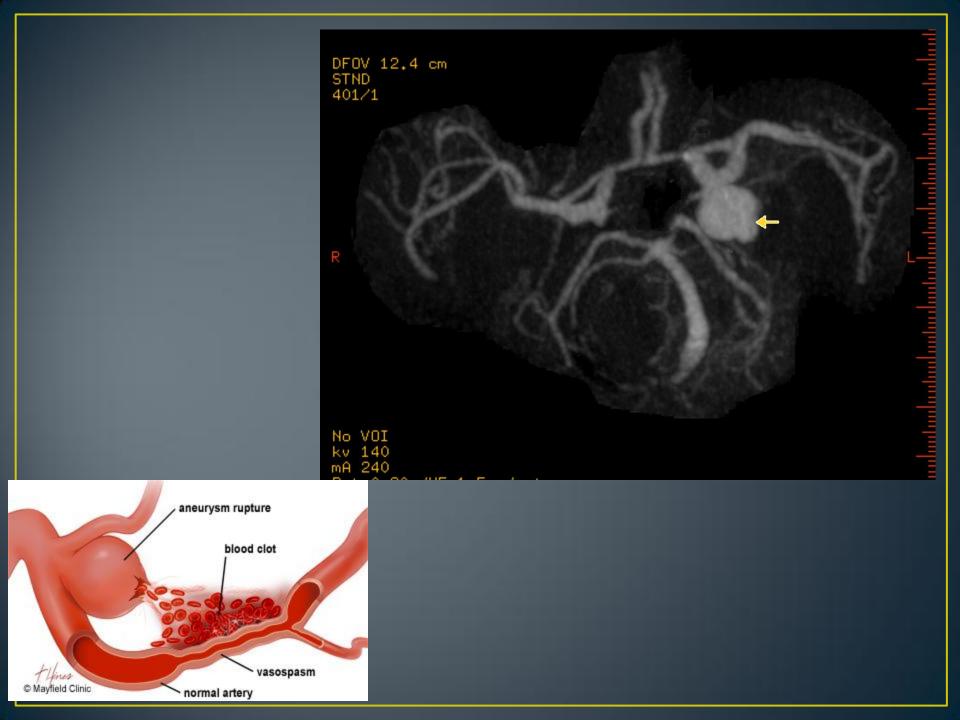
4. Other primary headaches

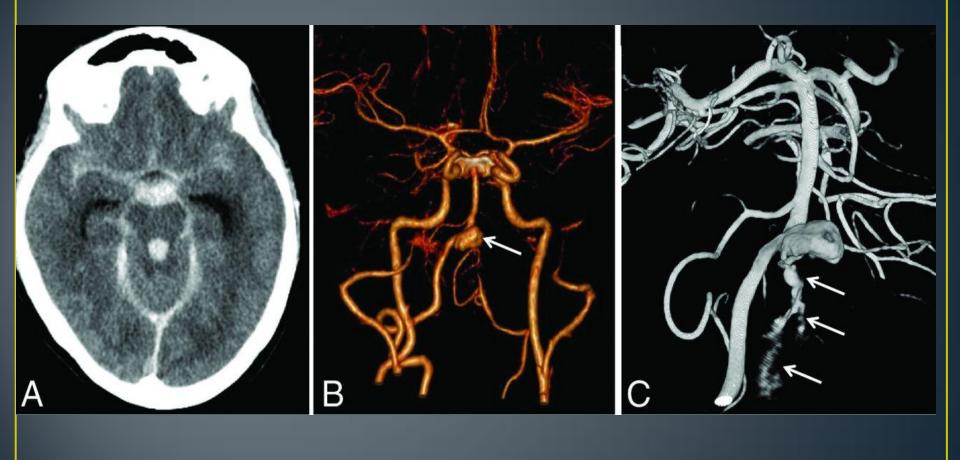
- 4.1 Primary stabbing headache
- 4.2 Primary cough headache
- 4.3 Primary exertional headache
- 4.4 Primary headache associated with sexual activity
- 4.5 Hypnic headache
- 4.6 Primary thunderclap headache
- 4.7 Hemicrania continua
- 4.8 New daily-persistent headache (NDPH)

Part 2: The secondary headaches

- 5. Headache attributed to head and/or neck trauma
- 6. Headache attributed to cranial or cervical vascular disorder
- 7. Headache attributed to non-vascular intracranial disorder
- 8. Headache attributed to a substance or its withdrawal
- 9. Headache attributed to infection
- 10. Headache attributed to disorder of homoeostasis
- Headache or facial pain attributed to disorder of cranium, neck, eyes, ears, nose, sinuses, teeth, mouth or other facial or cranial structures
- 12. Headache attributed to psychiatric disorder

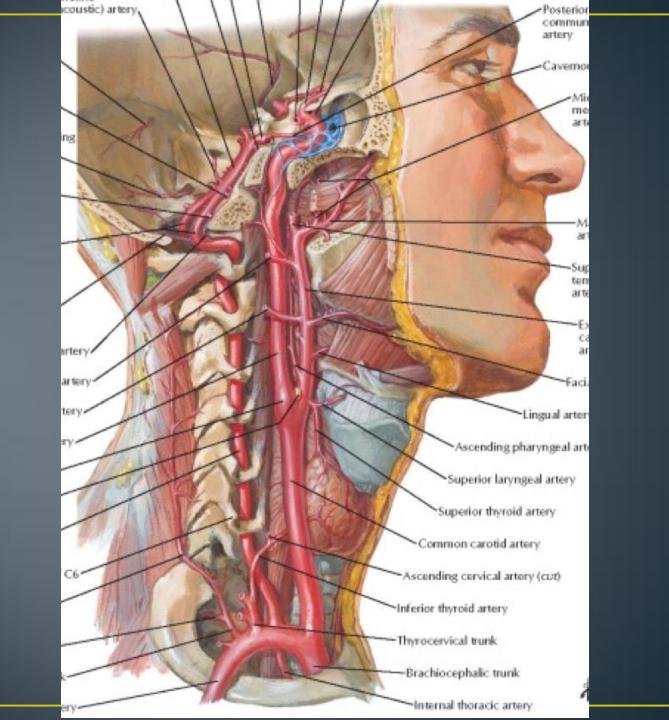


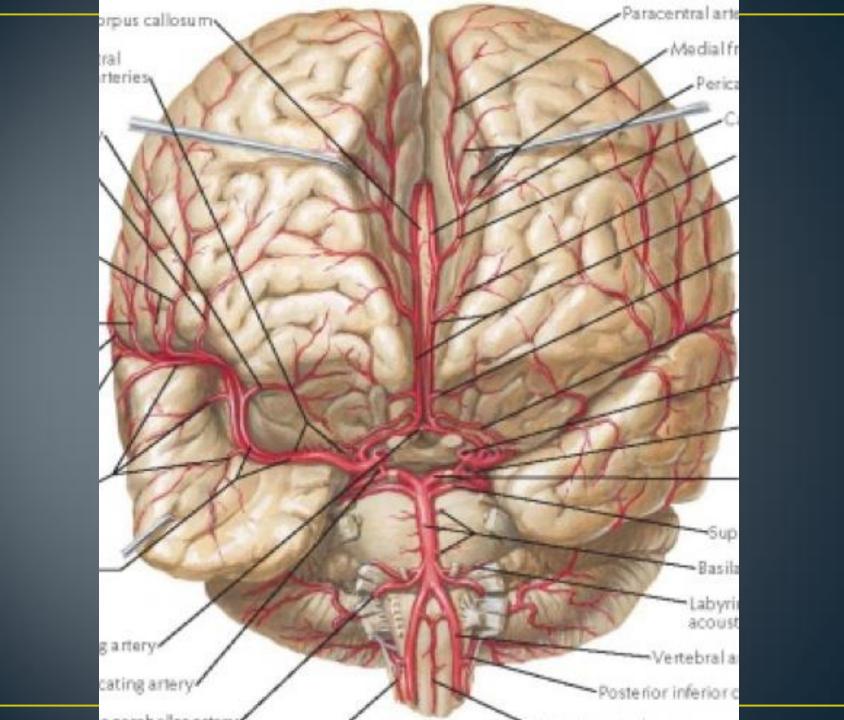


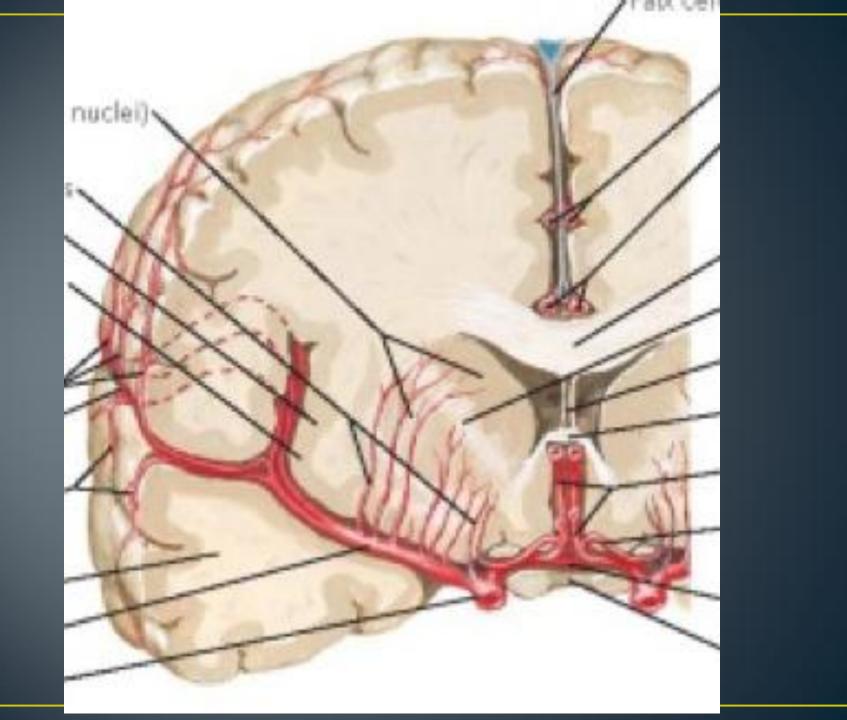


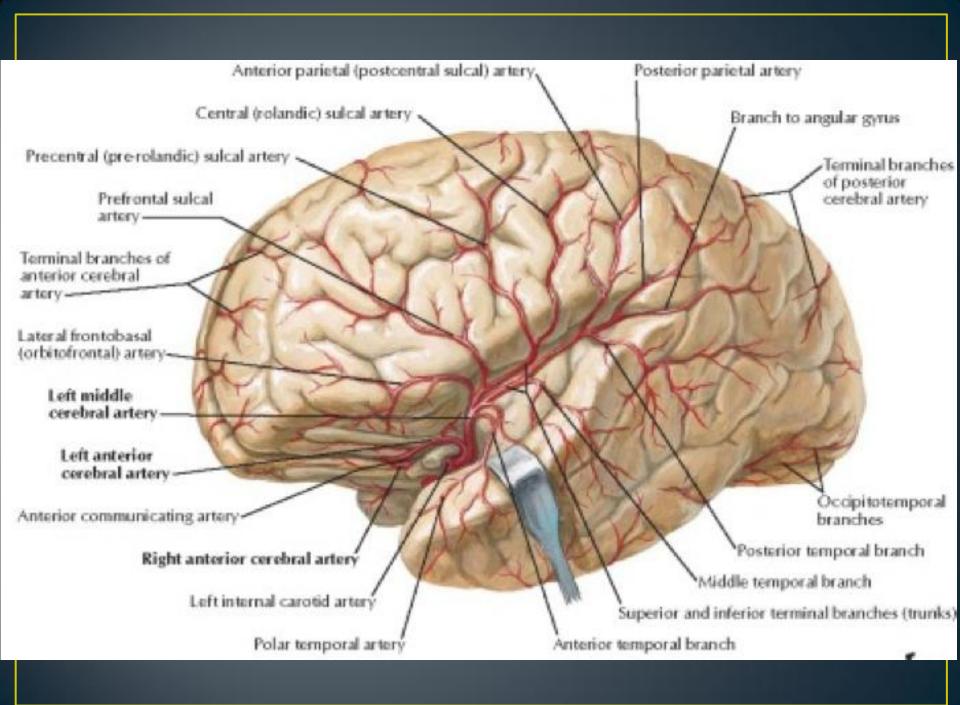
Baseline CT INR 3.6 Total hematoma volume 15.3 mL

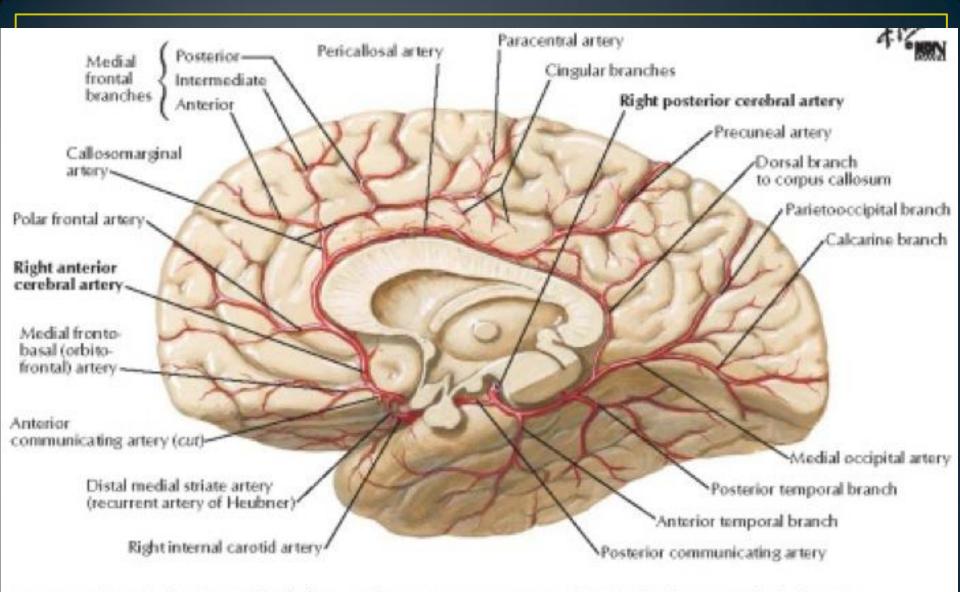
Follow-up CT (19 hours) INR 1.2 Total hematoma volume 67.6 mL



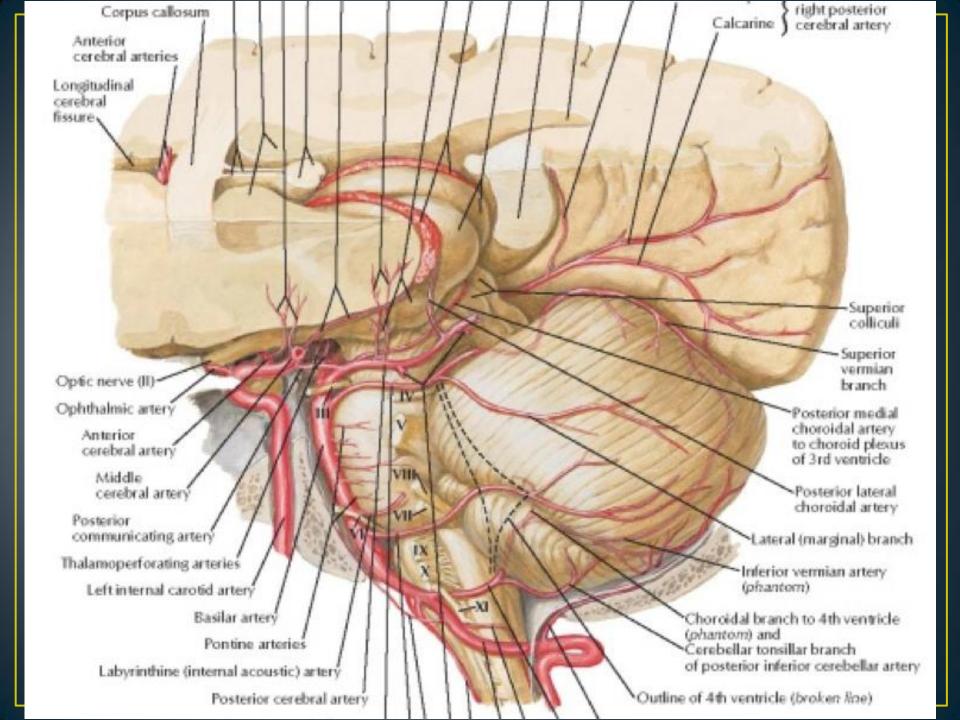


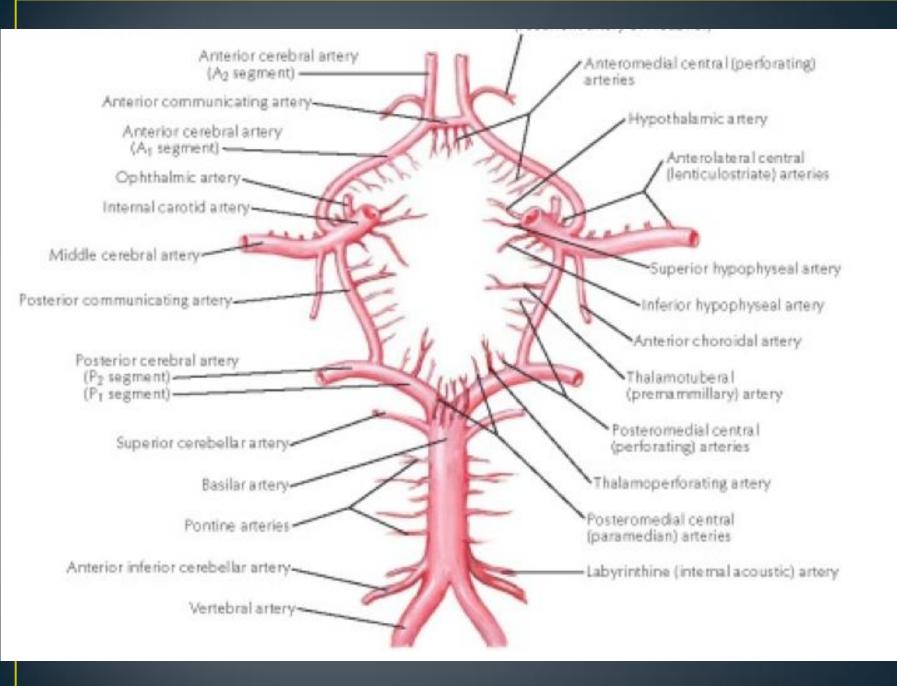




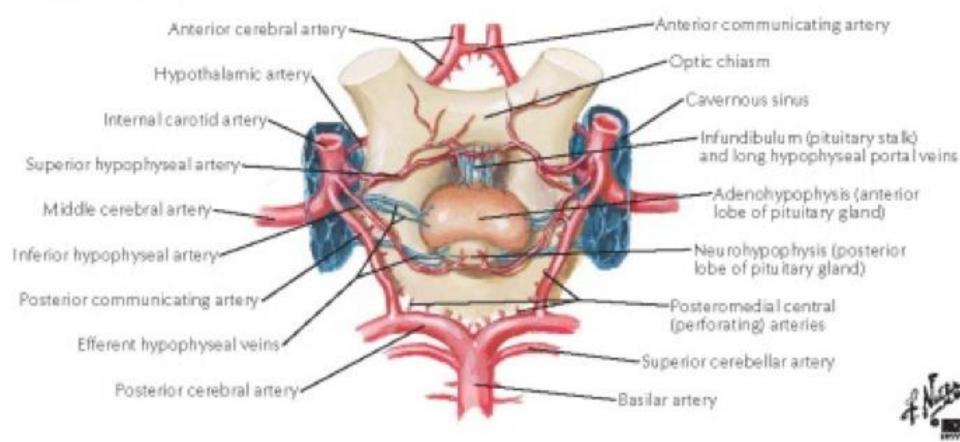


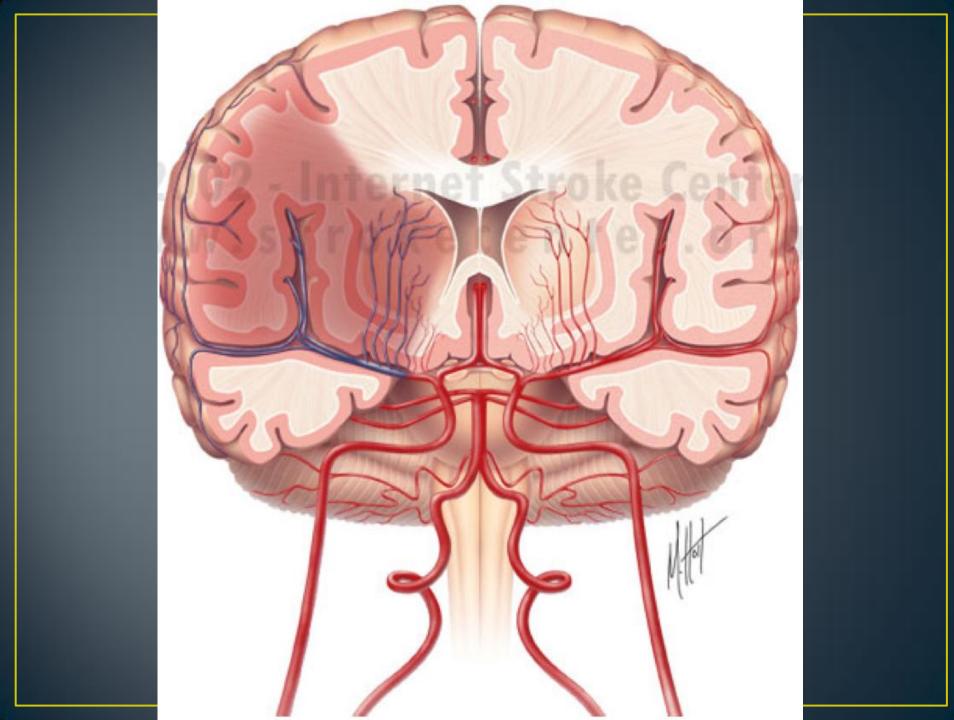
Note: Anterior parietal (postcentral sulcal) artery also occurs as separate anterior parietal and postcentral sulcal arteries

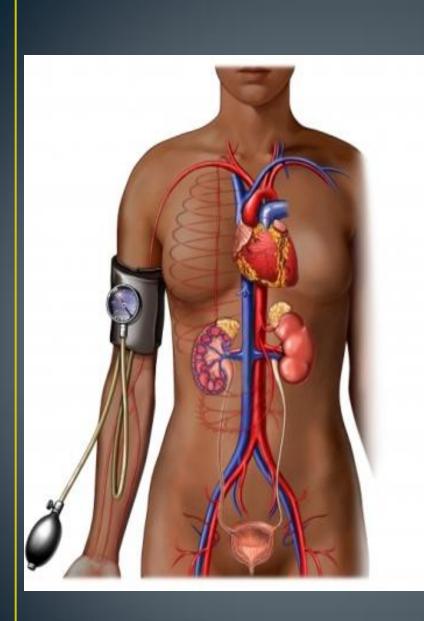


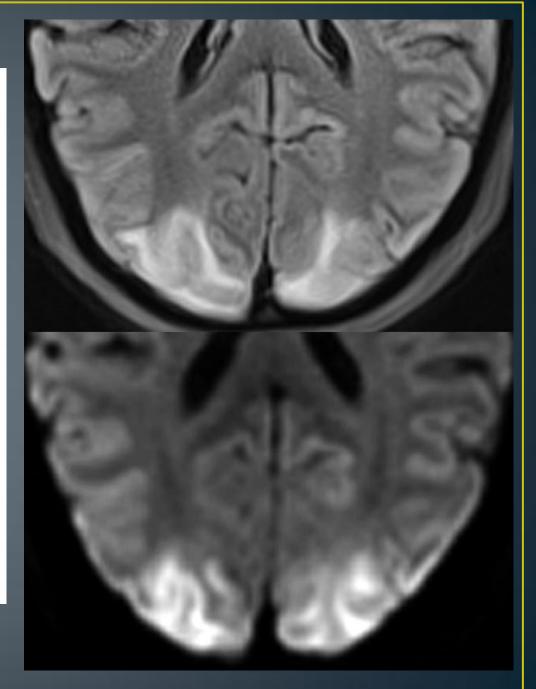


essels in situ: inferior view

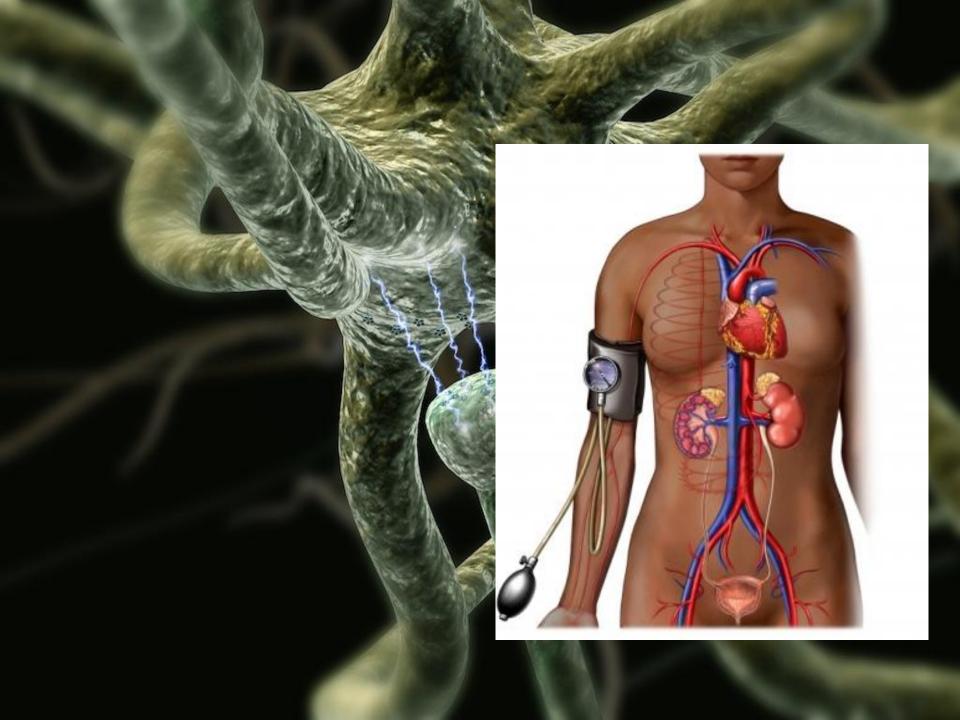


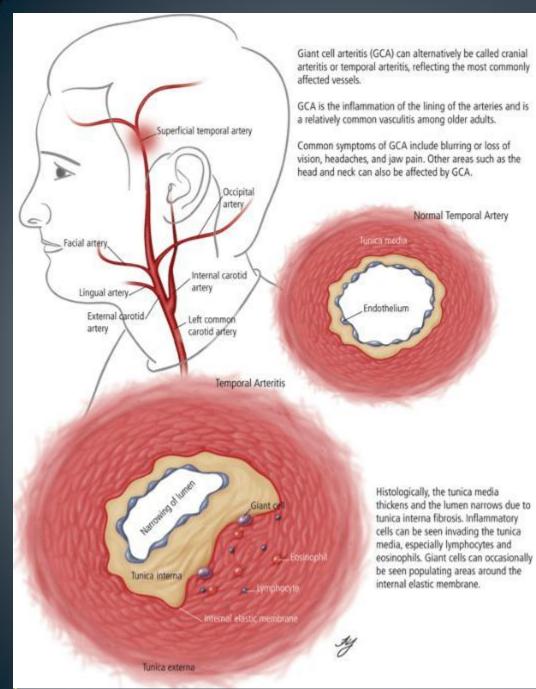


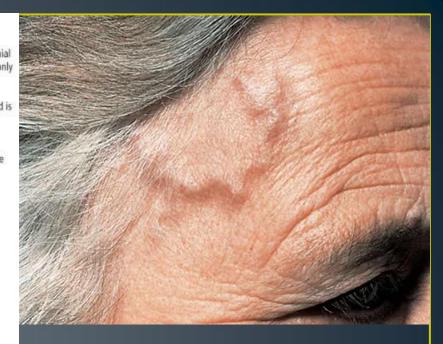


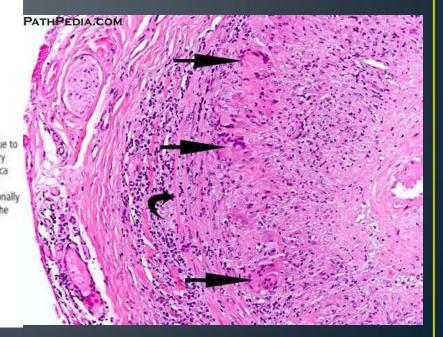








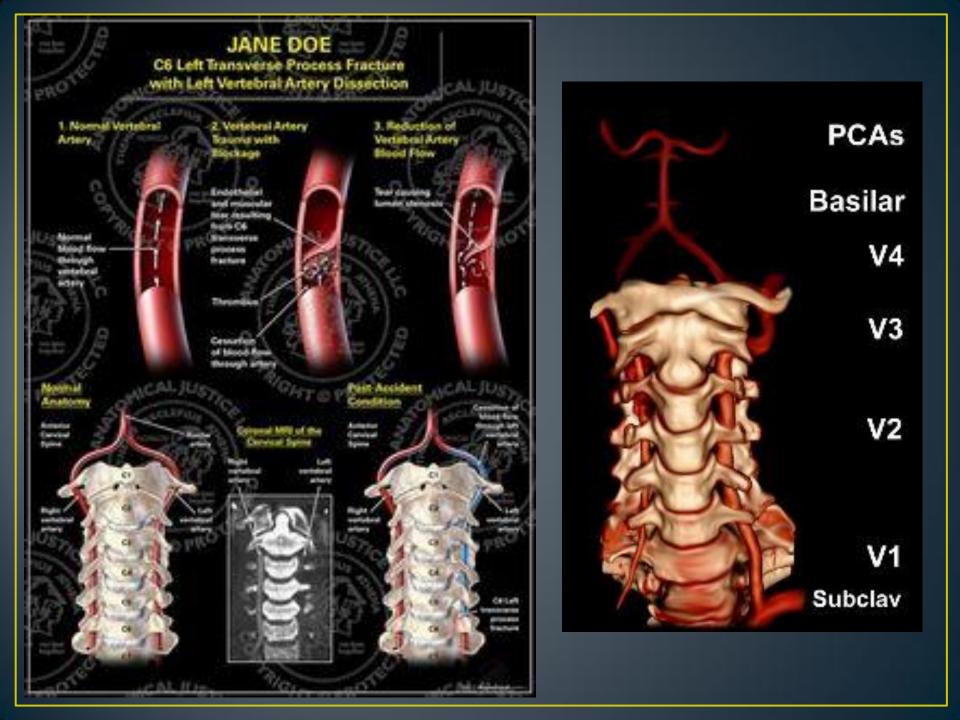


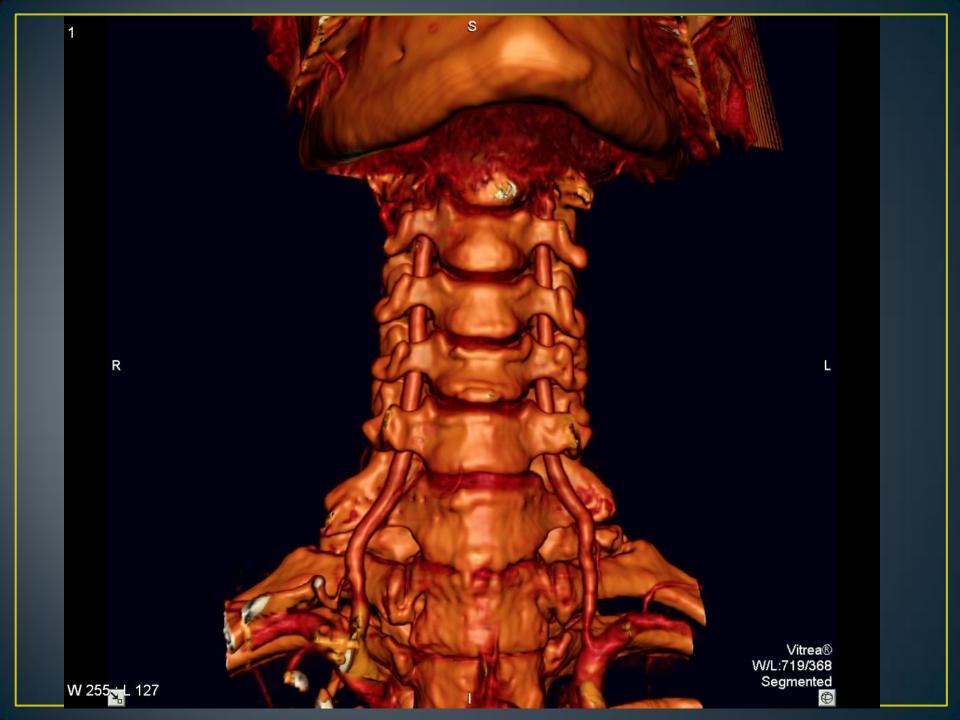


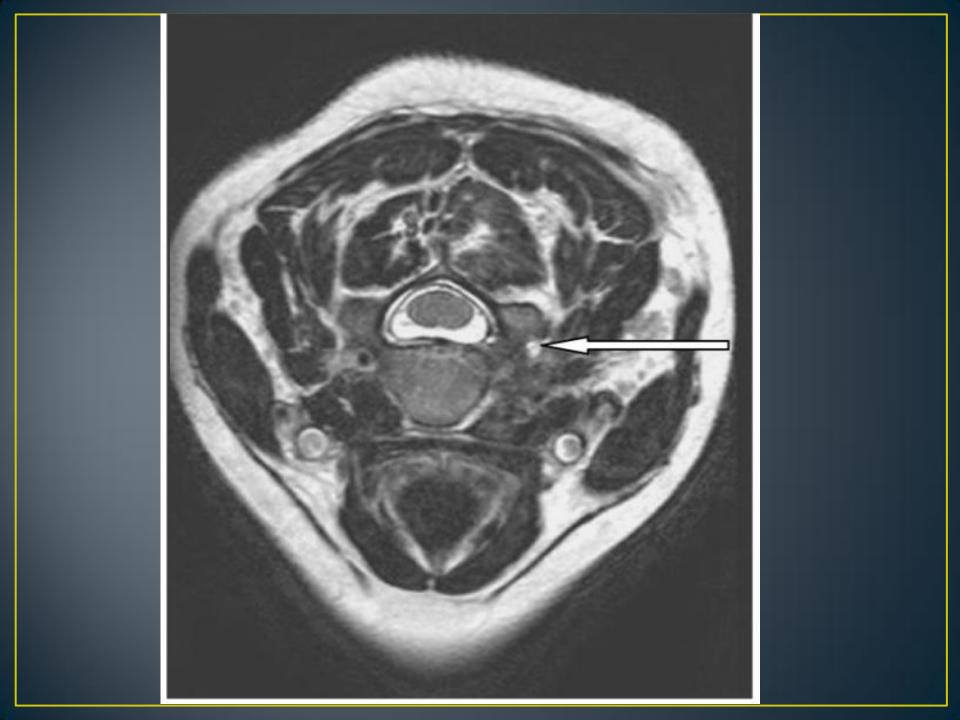
Signs and symptoms of polymyalgia rheumatica

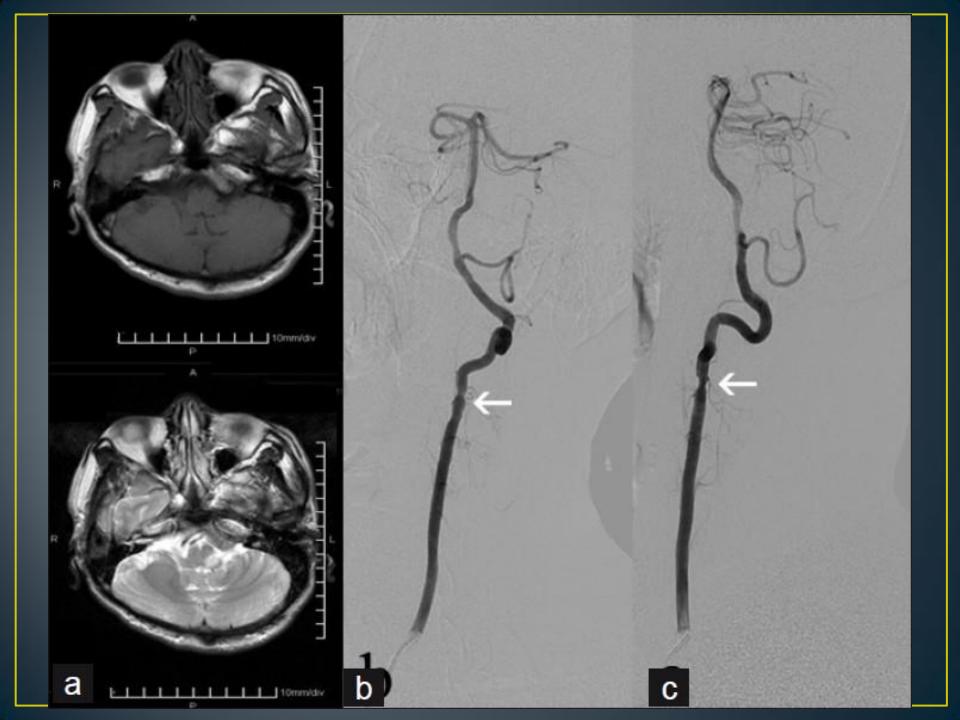
- Aches or pain in your shoulders
- Aches or pain in your neck, lower back, buttocks, hips or thighs
- Stiffness, especially in the morning
- Limited range of motion in affected joints
- Upper arm tenderness
- Less commonly, pain or stiffness in your wrists or knees
- Possible low-grade fever early on, as well as fatigue, appetite loss, weight loss, depression

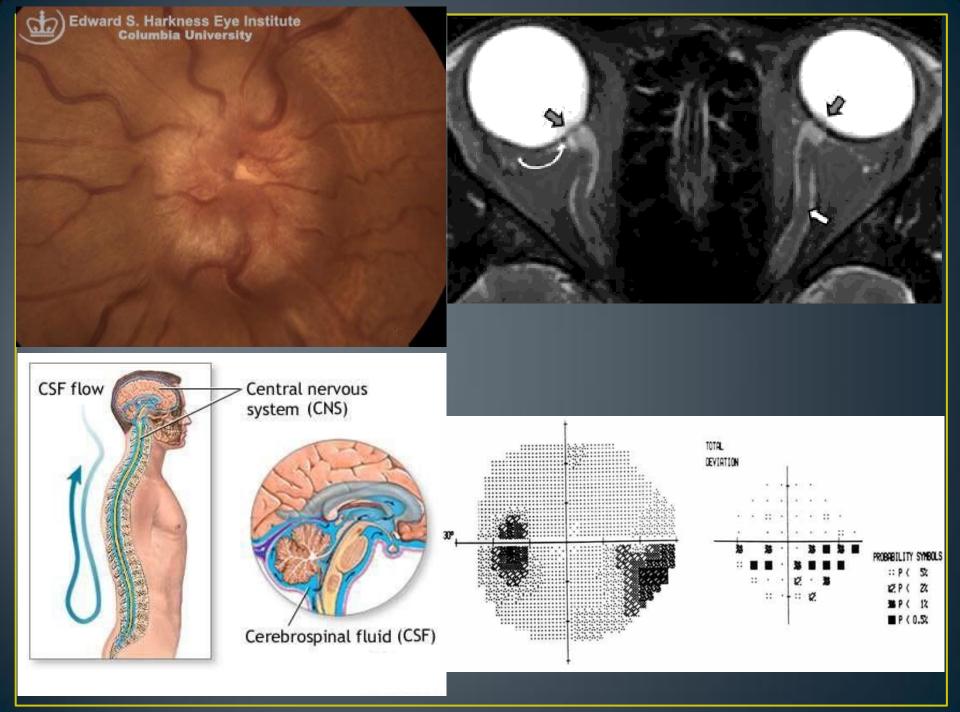
Mayo Foundation for Medical Education and Research. All rights reserved.

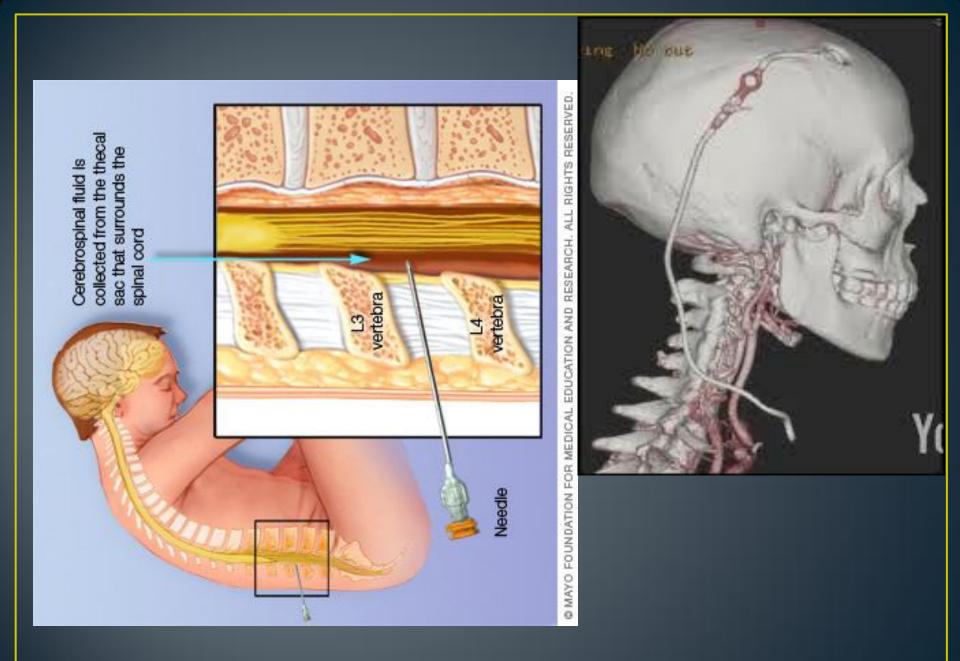




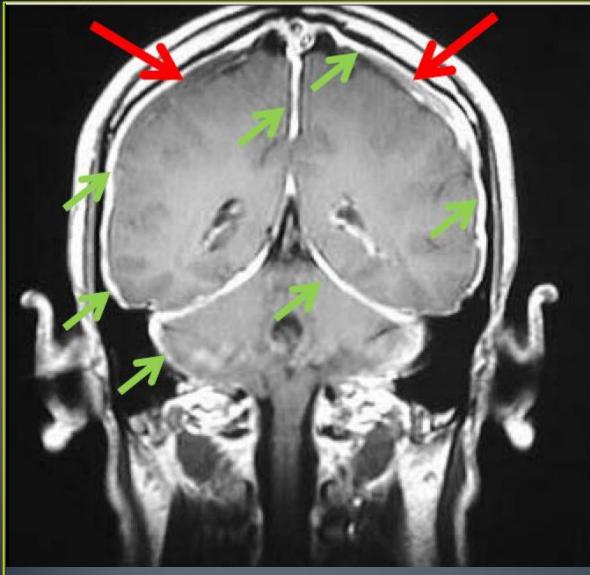


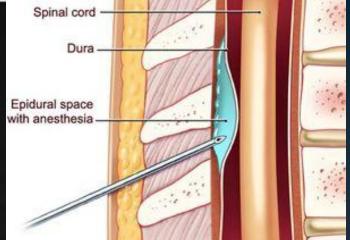




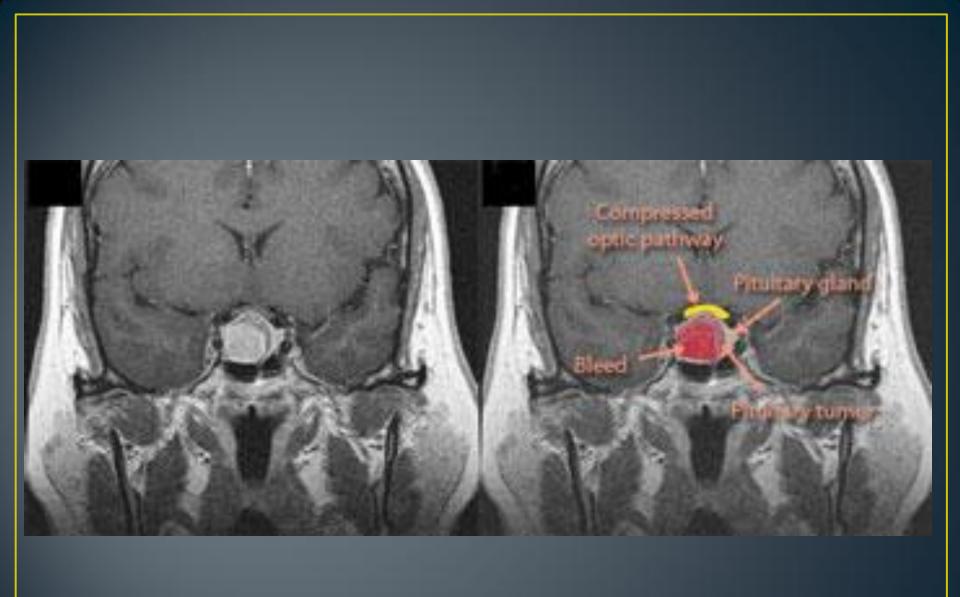








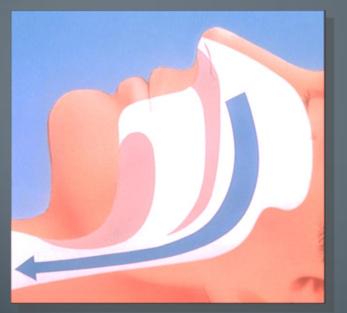


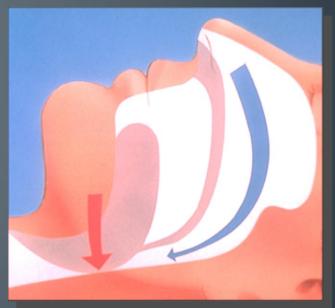


What's her problem

★OSA: Obstructive Sleep Apnea / Sleep Disordered Breathing (4/100, 2/100)

× Pauses in breathing last for 10 sec





Jane

Normal X Let's look at her history <u>again</u>.

